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ABSTRACT

This course involves practice in a sleeve-making techniques. Prior to entry in this course the vocational student will have completed "Section Work--Pocket Setting." Upon completion of the course the student will be able to understand the underlying principles of sewing individual sections of garments using factory techniques comparable with those of industry. The course outline includes goals, specific objectives, orientation, factory procedures for sewing sections of garments, sleeve setting, insertion of gussets, and instructor demonstration. A bibliography and posttest are appended. (NH)

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AUTHORIZED COURSE OF INSTRUCTION FOR THE QUINMESTER PROGRAM

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Course Outline
APPAREL MANUFACTURING - 9377
(Section Work - Sleeves)
Department 45, 48 - Quin 9377.08

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DIVISION OF INSTRUCTION • 1973

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D A D E C O U N T Y P U B L I C S C H O O L S

1 4 5 0 N O R T H E A S T S E C O N D A V E N U E

M I A M I, F L O R I D A 33132

Course Outline

APPAREL MANUFACTURING - 9377
(Section Work - Sleeves)

Department 45, 48 - Quin 9377.08

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Dade County Public Schools
Miami, Florida 33132

November, 1972

Published by the School Board of Dade County

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Course Description

9377	45, 48	9377.08	(Section Work - Sleeves)
State Category Number	County Dept. Number	County Course Number	Course Title

This course includes sleeve setting; regular, flat felled, tailored sleeves with inseams; inserting one and two-piece gussets in sleeves that have been cut in one-piece garment patterns and plackets and cuffs. Machine practice on target is also included. This is a two or three quinmester credit course.

Indicators of Success: Completion of Section Work - Pocket Setting - 9377.05.

Clock Hours: 135

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PREFACE

The following quinmester course outline has been prepared for youth and adults who are interested in apparel manufacturing and the needle trades in general.

The course is designed to give the student an understanding for doing section work sewing. Individual sewing of sections of garments, especially sleeve setting, will increase the skill of the student and he or she will be able to produce quality sewing with speed and accuracy.

This course is 135 hours in length and consists of six blocks of instruction which are further subdivided into several units each.

Prior to entry in this course the vocational student will have completed Section Work - Pocket Setting (9377.05). Upon completion of the course the student will be able to understand the underlying principles of sewing individual sections of garments using factory techniques comparable with those of industry.

Teaching methods are based on the individual student's ability and performance. The instructions will include sleeve setting with regular seams, flat felled seams, tailored sleeves with inseams, inserting one and two piece gussets in sleeves that have been cut in a one-piece garment pattern, sleeve plackets or vents and tailored cuffs. Machine practice on target will be stressed.

The instructions are further developed by use of available films, transparencies, lectures and demonstrations, information sheets, educational pamphlets, booklets and other material.

This outline was developed through the cooperative efforts of the instructional and supervisory personnel, the Quinmester Advisory Committee and the Vocational Curriculum Materials Service and has been approved by the Dade County Vocational Curriculum Committee.

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GOALS

The student must be able to:

1. Demonstrate the ability to form good habits by learning to do the job the right way - the safe way.
2. Display an understanding in the importance of obeying signs which point out occupational hazards.
3. Understand the meaning of good health habits in relation to work.
4. Fulfill the obligation and responsibilities to the employer with promptness, good attendance and good work.
5. Demonstrate an understanding for section work in clothing construction.
6. Demonstrate the ability to handle fabrics correctly.
7. Understand the importance of setting sleeves in garments the right way.
8. Demonstrate the ability to make tailored sleeves with plackets and cuffs.

SPECIFIC BLOCK OBJECTIVES

BLOCK I - ORIENTATION

The student must be able to:

1. Write a brief paragraph on why good habits help to do the job the right way.
2. Explain why it is important to obey signs which warn of hazards.

BLOCK II - FACTORY PROCEDURES FOR SEWING SECTIONS OF GARMENTS

The student must be able to:

1. Explain in writing in what way factory procedures differ from home methods.
2. Explain why edge-matching must be done before positioning the work under the presser foot.
3. Write the reason for sequence sewing in factory procedure.

BLOCK III - SLEEVE SETTING

The student must be able to:

1. Explain in writing the advantage of being a sleeve setter.
2. List three types of plackets for part-way openings in sleeves.
3. Explain why sleeves should have a smooth appearance at the shoulder.

BLOCK IV - INSERTION OF GUSSETS

The student must be able to:

1. Explain why a gusset is used in certain garments.
2. Demonstrate on a garment where a gusset should be inserted.
3. Name two types of gussets used in clothing construction.

BLOCK V - INSTRUCTOR DEMONSTRATION

The student must be able to:

1. Make a garment with a gusset in the under arm.
2. Explain the importance for allowing ease in the cap of the sleeve.

BLOCK VI - QUINMESTER POST-TEST

The student must be able to:

1. Satisfactorily complete the quinmester post-test.

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Course Outline

APPAREL MANUFACTURING - 9377
(Section Work - Sleeves)

Department 45, 48 - Quin 9377.08

I. ORIENTATION

A. Objectives of the Course
   1. Methods of evaluation
      a. Paper and pencil test
      b. Manipulation
      c. Job performance
      d. Hands-on sleeve setting
   2. Standards

B. Student Responsibilities
   1. School policies
      a. Absences
      b. Promptness
   2. Safety practices
      a. Clean, safe working area
      b. Hands safe distance from needle
      c. No wide sleeves or dangling bracelets
      d. Keeping the hair tied back
      e. Wearing low-heeled shoes
      f. Safety in using tools
   3. Work regulations
      a. Good health and hygiene
      b. Reporting lost equipment
      c. Reporting ineffective equipment
      d. Reporting lost items

C. Student Benefits
   1. Opportunities for employment
   2. Geographical opportunities
   3. Qualifications for employment
      a. Job competency
      b. Pride in workmanship
      c. Dependability
      d. Personality
      e. Creativity
      f. Personal development
      g. Individual achievement
      h. Educational training

II. FACTORY PROCEDURES FOR SEWING SECTIONS OF GARMENTS

A. Introduction to Section Work Methods
   1. Elements of machine sewing
      a. Machine time
      b. Work handling time
      c. Miscellaneous

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2. Underlying principles for sewing work in sections
   a. More speed
   b. Better quality in work
   c. Reduce handling time
   d. Increase operator's output of work
   e. Increase operator's morale through increased earning power

B. Method of Sewing
   1. Preparation
   2. Getting the work material
   3. Arranging the work for piece-by-piece pick-up
   4. Picking up the piece or pieces
   5. Edgematching the sections using notches for alignment
   6. Positioning the work for sewing
   7. Disposal

C. The Sewing Operation
   1. Starting to sew
   2. Backtacking
   3. Guiding the work
   4. Stopping for realignment or control
   5. Bobbin changing
   6. Finishing the stitching and releasing the work from the machine
   7. Disposal

III. SLEEVE SETTING

A. Types of Sleeves Used in Industry
   1. Plain
      a. Short
      b. Long
   2. Long sleeve shaped at elbows
   3. Sleeves with gathers on cap
   4. Two-part sleeves (inseams)
   5. Darted sleeves
   6. Gussets
      a. One-piece
      b. Two-piece

B. Types of Opening Plackets and Vents for Long Sleeves
   1. Preparing the cuff sections for application on sleeve
      a. Joining the facing and cuff
      b. Joining the cuff to the sleeve
      c. Clipping the threads
   2. Vents or openings in sleeves
      a. Folded over hem
      b. Continuous placket
      c. Two-piece placket
   3. Tailored placket

C. Uses
   1. Finishing a part-way opening
   2. Decorative

D. Application of Placket for Opening

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III - SLEEVE SETTING (Cont.)

E. Determining the Amount of Ease in Cap of Sleeves
   1. Plain sleeve
   2. Gathered cap of sleeve
   3. Darted cap of sleeve

F. Preparing the Sleeve for Inserting in Garment
   1. Observing the notches in sleeve and garment
   2. Importance of inserting the sleeve with grain
   3. Determining the type of sleeve setting for the garment
      a. Smooth effect on shoulders of sleeves
      b. Gathered effect on shoulders of sleeves
      c. Darted effect on shoulders of sleeves
   4. Determining the type of seam for stitching
      a. Plain
      b. French
      c. Flat felled
   5. Methods and techniques used in sleeve setting
      a. Inserting sleeve by easing cap without staystitching
      b. Staystitching cap of sleeve before inserting
      c. Setting-in open sleeve
      d. Setting-in seamed sleeve
   6. Clipping loose threads

IV. INSERTION OF GUSSETS

A. Uses of Gussets
   1. Definition
   2. Inserted in patterns cut with sleeve in one piece
      a. Kimono
      b. Dolman
      c. Under arms for more movement area
   3. Reinforces end of a slash or seam
   4. Prevents tearing or ripping of underarm

B. Types of Gussets
   1. One-piece
   2. Two-piece

C. Insertion
   1. One-piece
   2. Two-piece

D. Optional Top-Stitching on Right Side of Gusset

V. INSTRUCTOR DEMONSTRATION

A. New Section Project

B. Techniques and Methods Used

C. Sleeve Setting in Parts
   1. Notches on sleeves and garment
   2. Application of placket to opening of sleeve
   3. Joining cuff to sleeve
   4. Setting sleeves
   5. Application of gussets to garment

D. Question and Answer Period

E. Hands-On for Students

VI. QUINMESTER POST-TEST

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7. Training Sewing Machine Operators. New York: Kogos International Corp., 1961. Pp. 226.

Supplementary References:

8. How To Handle Fabrics. Great Neck: Kogos International Corp., n.d. Pp. 20.

9. Shop Clinic. New York: The Singer Company, 1972. Pp. 33.

A P P E N D I X

Quinmester Post-Test Sample

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Quinmester Post-Test

Name _____ Date _____ Score ____

Essay Questions

Read each of the following questions carefully before attempting to answer it. Write the answers in the space provided.

1. Name at least four opportunities for upgrading the operator in the garment manufacturing industry:

2. Name ten divisions of the needle trades industry:

3. Why does safety play such an important part in the sewing room:

4. What type of sewing machines are fundamental in training operators:

5. Name three personal qualifications which are desirable if one wishes to be a successful industrial sewing machine operator:

6. What is the difference between occupational information and technical information:

7. What can the worker do to prevent accidents:

8. Write five questions that you would ask the employer if you were seeking employment:

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9. In your opinion is today's skilled worker better or worse off than the skilled worker in 1790:

10. How many stitches per minute is the factory machine capable of making:

Completion Test Items

Fill in the blank or blanks with the word or words that make the statement correct.

1. Factory sewing techniques differ greatly from _____ sewing techniques.

2. Edge matching the plies of material is necessary before _____ the work under the presser foot.

3. Sewing in sequence helps to _____ up the work.

4. Working in _____ helps the operator to build up speed and turn out more work.

5. One of the underlying principles of sewing work in sections is that it _____ the operator's output of work.

6. The sewing machine operator must _____ the work in order to sew straight.

7. Bobbin changes are necessary when the _____ runs out.

8. _____ is necessary when beginning and finishing a seam.

9. Sewing _____ _____ is important for increasing the speed.

10. Choosing a career and working at it will _____ the earning power.

True-False Test Items

Each of the following statements is either true or false. If the statement is true, draw a circle around the letter T following it; if the statement is false, draw a circle around the F. If a statement is false in part, it is entirely false.

1. The straight grainline of the material runs in the same direction as the selvedge. T F

2. The crosswise grainline of the material runs in the same direction as the selvedge. T F

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3. The straight grainline is marked with an arrow. T F

4. The crosswise grainline runs from selvedge to selvedge. T F

5. When the arrow is at an angle on the pattern it is placed on the bias of the material. T F

6. The inseam of a sleeve is when the underpart of a sleeve is joined to the upper part of a sleeve. T F

7. The gusset is inserted in the underarm seam to prevent tearing or ripping. T F

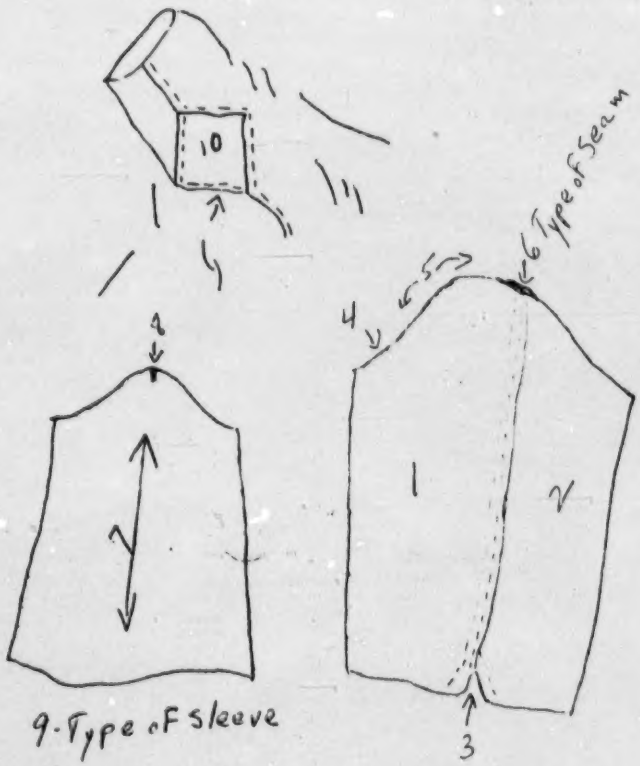
8. A gusset is usually a square piece of material. T F

9. Most sleeves must be set in with a smooth finish on the shoulder. T F

10. Notches in garments are usually markings on the inside of the material. T F

Identification Test Items

Below are illustrations of sleeves. Insert the correct name of each numbered item in the spaces provided.



1. _____
2. _____
3. _____
4. _____
5. _____
6. _____
7. _____
8. _____
9. _____
10. _____

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ANSWER KEY TO QUINMESTER POST-TEST

Essay Question Items

1. Forelady, sample maker, designer or own your own plant

2-10. Answers satisfactorily acceptable to the instructor

Completion Test Items

1. Home
2. Positioning
3. Speed
4. Sections
5. Increases
6. Guide
7. Thread
8. Backtacking
9. On target
10. Increase

True-False Items

1. True
2. False
3. True
4. True
5. True
6. True
7. True
8. False
9. True
10. False

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Identification Test Items

1. Upper part of sleeve
2. Under part of sleeve
3. Vent
4. Notch
5. Cap of sleeve
6. Flat felled seam
7. Straight grainline mark
8. Shoulder notch
9. Long sleeve, one-piece
10. Gusset